

# DH-IPC-PTS1439B-E2-S-PV

# 4+4MP Active Deterrance Dual-lens Fixed-focal Entry Network PT Camera



#### **Series Overview**

With features of simple installation, easy operation, and high performance-cost ratio, Dahua Entry series network camera is applicable to small and medium-sized scenes, such as homes/residences, small-sized retail stores, and other small and medium-sized enterprises.

#### **Functions**

#### **Smart Dual Light**

Dahua Smart Dual Light technology adopts smart algorithm to detect targets. Usually, the IR illuminator is on at night; when the target appears in the monitoring area, the white light is on, and the camera records the full-color video and information of key events. That is, the camera links snapshot and video with full-color image. When the target is out of the monitoring area, the white light is off and the IR illuminator is on, which reduces light pollution efficiently.

#### **SMD Plus**

With intelligent algorithm, Dahua Smart Motion Detection technology can categorize the targets that trigger motion detection and filter the motion detection alarm triggered by non-concerned targets to realize effective and accurate alarm. \*SMD Plus takes effect when SMD is selected in AI Mode.

#### **Siren and Light Active Deterrence**

Dahua siren and light active deterrence network camera supports the light alarm and voice alarm when perimeter event occurs, to realize the deterrence and effective intervention. The camera is built in multiple voices for selection, and supports customized voice importing.

#### Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, Dahua smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

- 4-MP 1/3" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 4 MP (2560 × 1440)@25 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in IR LED and warm light, the max. IR distance is 30 m and the max. warm light distance is 30 m.
- WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- Abnormality detection: Motion detection, video tampering, audio detection, no SD card, SD card full, SD card error, network disconnection, • IP conflict and illegal access.
- Supports max. 256 G Micro SD card; built-in Mic; built-in speaker; supports two-way talk.
- 12 VDC/PoE power supply, easy for installation.
- IP66 protection.
- · Sound and light alarm.
- · SMD Plus.
- One-tap arming/disarming.













#### WDR

With advanced Wide Dynamic Range (WDR) technology, Dahua network camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with backlight shadow.

#### **Protection (Wide Voltage)**

Wide voltage: The camera allows  $\pm 30\%$  (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Came   1	Camera   Channel       Pi Leng   1.07 (Allo)   Allo   Pi Leng   1.07 (Allo)									
Cannot	Charmel 2   Tri Lents 129" CMOS   Char	Technical Specification							Main stream: 2560 × 1440@(1–25 fps) sub stream: 704 × 576@(1–25 fps)/704 × 480@(1–25	
Max. Resolution	Mana Remolation   Classed Life   12 CM/OS	Camera								
Chame       Chame	Max. Resolution   Chamel 2 (Pite Setts) 250 (Fit) 340 (M)   Chamel 2 (Pite Setts) 250 (Fit) 450 (M)	Image Senso	r	,	, ,				Video Frame Rate	Main stream: 2560 × 1440@(1–25 fps)
SEAM	## Annual Care   Part	Max. Resolution					)			fps) *The values above are the max. frame rates of each
Scanning System	Scanning System	ROM		128 MB						
Bit Rate Control   Main   M	Betroinic Shutter Speed	RAM		512 MB					Streaming Capability	2 streams
Main   Multiplication   Multiplicatio	According   Acco	Scanning System		Progressive						, ,
Min. Illumination	Min. Illumination   0.0008 luxger   1.6 (EM/2018)   1.5 (EM/	Electronic Sh	utter Speed	Auto/Manua	l 1/3 s-1/100,0	00 s				1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704
	Illumination Distance   Up to 30 m (98.4 st 1) (K)   Up to 30 m (98.4 st 1) (M)   Up to 30 m (98.4 st	Min. Illumina	ation	0.0008 lux@	F1.6( B/W,30 IR				Resolution	Channel 2 (Fixed Lens): 4M (2560 × 1440); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704
	Bit Rate Control   V88:C88   Video Bit Rate   V58:C88   Video Control   V58:C68   V58:C88   Video Control   V58:C68	S/N Ratio								
Mulliminator Number	Lens	Illumination	Distance		, , ,	light)			Bit Rate Control	VBR; CBR
Day/Night   Auto(ICR)/Color/R/W	Lens Type  Channel 1 (FT Lens): Fixed-focal Channel 2 (Facel Lens): Fixed-focal Channel 2 (Facel Lens): Fixed-focal Channel 2 (Facel Lens): Fixed-focal HLC Yes  WDR 120 dB  HLC Yes  WDR 120 dB  Auto institutil, street lamp; outdoor; manual; regional custom Channel 2 (Facel Lens): 6.6 mm Channel 2 (Facel Lens): 7.6 mm Channel 2 (Facel Lens): 1.6 mm Channel 2 (Facel Lens): 1.5 mm Channel 2 (Facel Lens)	Illuminator C	n/Off Control	Auto; Manua	ıl				Video Bit Rate	
Lens Type   Channel 1 (PT Lens): Fixed-focal   Channel 2 (Fixed Lens): Fixed-focal   Channel 2 (Fixed Lens): Fixed-focal   Channel 2 (Fixed Lens): 3.6 mm	Lens Type Channel 1 (PT Lens): Fixed-focal Channel 2 (Fixed Lens): Fixed-focal Channel 2 (Fixed Lens): Fixed-focal Channel 2 (Fixed Lens): Fixed-focal Mxx Aperture Channel 1 (PT Lens): 3.6 mm Channel 2 (Fixed Lens): 3.6 mm Channel 2 (Fixed Lens): 3.6 mm Channel 2 (Fixed Lens): 1.6 Channel 1 (PT Lens): 11.6 Channel 1 (PT Lens): 11.5 m (4.92 fb) Channel 2 (Fixed Lens): 1.5 m (4.92 fb) Channel 1 (PT Lens): 1.5 m (4.92 fb) Channel 2 (Fixed Lens): 1.5 m (4.92 fb) Channel 1 (PT Lens): 1.5 m (4.92 fb) Channel 1 (PT Lens): 1.5 m (4.92 fb) Channel 1 (PT Lens): 1.5 m (4.92 fb) Channel 2 (Fixed Lens): 1.5 m (4	Illuminator N	lumber	4 (IR LED); 4	(Warm light)				Day/Night	Auto(ICR)/Color/B/W
Lens Mount  M12  Channel 1 (PT Lens): 3.6 mm Channel 2 (Fixed Lens): 1.5 mm Channel 2 (Fixed	Lens Mount M12  Channel 2 (Fixed Lens): 3.6 mm  Max. Aperture Channel 1 (PT Lens): F1.6 Channel 2 (Fixed Lens): F1.6 m (4.92 ft) Channel 2 (Fixed Lens): F1.6 m (4.92 ft) Channel 2 (Fixed Lens): F1.6 m (4.92 ft) Channel 1 (PT Lens): F1.6 m (4.92 ft) Channel 1 (PT Lens): F1.6 m (4.92 ft) Channel 1 (PT Lens): F1.6 m (7.8 m (10.2.3.6 ft)) (51.18 ft) (25.59 ft) Channel 2 (Fixed Lens) Channel 2 (Fixed Lens) Channel 3 (25.59 ft) (102.3.6 ft) (51.18 ft) (25.59 ft) Channel 2 (Fixed Lens) Channel 3 (25.59 ft) (102.3.6 ft) (51.18 ft) (25.59 ft) Channel 2 (Fixed Lens) Channel 3 (25.59 ft) (102.3.6 ft) (51.18 ft) (25.59 ft) Channel 4 (PT Lens): F1.6 m (7.8 m (102.3.6 ft)) (51.18 ft) (25.59 ft) Channel 5 (Fixed Lens) Channel 6 (Fixed Lens) Channel 7 (Fixed Lens) Channel 7 (Fixed Lens) Channel 7 (Fixed Lens) Channel 1 (Fixed Lens) Channel 1 (Fixed Lens) Channel 2 (Fixed Lens) Channel 2 (Fixed Lens) Channel 3 (Fixed Lens) Channel 3 (Fixed Lens) Channel 4 (Fixed Lens) Channel 5 (Fixed Lens) Channel 6 (Fixed Lens) Channel 7 (Fixed Lens) Channel 7 (Fixed Lens) Channel 7 (Fixed Lens) Channel 6 (Fixed Lens) Channel 7 (Fixed Lens) Channel 7 (Fixed Lens) Channel 7 (Fixed Lens) Channel 1 (Fixed Lens) Channel 1 (Fixed Lens) Channel 2 (Fixed Lens) Cha	Lens							BLC	Yes
Focal Length  Channel 1 (PT Lens): 3.6 mm Channel 2 (Fixed Lens): 3.6 mm Channel 2 (Fixed Lens): F1.6 Channel 1 (PT Lens): F1.6 Channel 2 (Fixed Lens): H1.78*; V: 42*; D: 92* Channel 1 (PT Lens): H1.78*; V: 42*; D: 92* Iris Control  Fixed  Channel 2 (Fixed Lens): H1.78*; V: 42*; D: 92* Channel 2 (Fixed Lens): H1.78*; V: 42*; D: 92*  Channel 2 (Fixed Lens): H1.5 m (4.92 ft) Channel 2 (Fixed Lens): L1.5 m (4.92 ft) Channel 1 (PT Lens): L1.5 m (4.92 ft) Channel 2 (Fixed Lens): L1.5 m (4	Focal Length  Channel 1 (PT Lens): 3.6 mm Channel 2 (Fixed Lens): 3.6 mm Channel 2 (Fixed Lens): 3.6 mm Channel 2 (Fixed Lens): 4.6 mm Channel 2 (Fixed Lens): 4.7 mm (PT Lens)  Channel 1 (PT Lens): 4.5 mm (255.91 mm) (255.91 mm	Lens Type							HLC	Yes
Channel 2 (Fixed Lens): 3.6 mm  Max. Aperture Channel 2 (Fixed Lens): F1.6 Channel 1 (PT Lens): F1.6 Channel 2 (Fixed Lens): F1.78°; V: 42°; D: 92° Channel 2 (Fixed Lens): H: 78°; V: 42°; D: 92° Channel 2 (Fixed Lens): H: 78°; V: 42°; D: 92° Channel 2 (Fixed Lens): H: 78°; V: 42°; D: 92° Channel 2 (Fixed Lens): H: 78°; V: 42°; D: 92° Channel 2 (Fixed Lens): H: 78°; V: 42°; D: 92° Channel 2 (Fixed Lens): 1.5 m (4.92 ft) Channel 2 (Fixed Lens): 1.5	Max. Aperture Channel 2 (Fixed Lens): 3.6 mm White Balance Custom  Max. Aperture Channel 1 (PT Lens): F1.6 Channel 2 (Fixed Lens): H1.6 Channel 2 (Fixed Lens): H1.78*; V1.42*; D: 92* Channel 2 (Fixed Lens): H1.78*; V1.42*; D: 92* Channel 2 (Fixed Lens): H1.78*; V1.42*; D: 92* Channel 2 (Fixed Lens): H1.5 m (4.92 ft) Channel 1 (PT Lens): L1.5 m (4.92 ft) Channel 2 (Fixed Lens): H1.5 m (4.92 ft) Channel 2	Lens Mount		M12					WDR	120 dB
Field of View  Channel 1 (PT Lens): H: 78°; V: 42°; D: 92° Channel 2 (Fixed Lens): H: 78°; V: 42°; D: 92° Channel 2 (Fixed Lens): H: 78°; V: 42°; D: 92° Channel 2 (Fixed Lens): H: 78°; V: 42°; D: 92° Channel 2 (Fixed Lens): H: 78°; V: 42°; D: 92° Channel 2 (Fixed Lens): H: 78°; V: 42°; D: 92° Channel 2 (Fixed Lens): H: 78°; V: 42°; D: 92° Channel 2 (Fixed Lens): H: 78°; V: 42°; D: 92° Channel 2 (Fixed Lens): H: 78°; V: 42°; D: 92° Channel 2 (Fixed Lens): H: 78°; V: 42°; D: 92° Channel 2 (Fixed Lens): H: 78°; V: 42°; D: 92° Channel 1 (PT Lens): H: 78°; V: 42°; D: 92° Channel 1 (PT Lens): H: 78°; V: 42°; D: 92° Channel 2 (Fixed Lens): H: 78°; V: 42°; D: 92° Channel 2 (Fixed Lens): H: 78°; V: 42°; D: 92° Channel 1 (PT Lens): H: 78°; V: 42°; D: 92° Channel 1 (PT Lens): H: 78°; V: 42°; D: 92° Channel 1 (PT Lens): H: 78°; V: 42°; D: 92° Channel 1 (PT Lens): H: 78°; V: 42°; D: 92° Channel 1 (PT Lens): H: 78°; V: 42°; D: 92° Channel 1 (PT Lens): H: 78°; V: 42°; D: 92° Channel 1 (PT Lens): H: 78°; V: 42°; D: 92° Channel 1 (PT Lens): H: 78°; V: 42°; D: 92° Channel 1 (PT Lens): H: 78°; V: 42°; D: 92° Channel 1 (PT Lens): H: 78°; V: 42°; D: 92° Channel 1 (PT Lens): H: 78°; V: 42°; D: 92° Channel 1 (PT Lens): H: 78°; V: 42°; D: 92° Channel 1 (PT Lens): H: 78°; V: 42°; D: 92° Channel 1 (PT Lens): H: 78°; V: 42°; D: 92° Channel 1 (PT Lens): H: 78°; V: 42°; D: 92° Channel 1 (PT Lens): H: 78°; V: 42°; D: 92° Channel 1 (PT Lens): H: 78°, V: 42°; D: 92° Channel 1 (PT Lens): H: 78°, V: 42°; D: 92° Channel 1 (PT Lens): H: 78°, V: 42°; D: 92° Channel 1 (PT Lens): H: 78°, V: 42°; D: 92° Channel 1 (PT Lens): H: 78°, V: 42°; D: 92° Channel 1 (PT Lens): H: 78°, V: 42°; D: 92° Channel 1 (PT Lens): H: 78°, V: 42°; D: 92° Channel 1 (PT Lens): H: 78°, V: 42°; D: 92° Channel 1 (PT Lens): H: 78°, V: 42°; D: 92° Channel 1 (PT Lens): H: 78°, V: 42°; D: 92° Channel 1 (PT Lens): H: 78°, V: 42°; D: 92° Channel 1 (PT Lens): H: 78°, V: 42°; D: 92° Channel 1 (PT Lens): H: 78°, V: 42°; D: 92° Channel 1 (PT Lens): H: 78°, V: 42°; D: 92° Channel 1 (PT L	Field of View  Channel 1 (PT Lens): H. 78", V. 42", D. 92"  Iris Control  Fixed  Channel 2 (Fixed Lens): H. 78", V. 42", D. 92"  Iris Control  Fixed  Channel 2 (Fixed Lens): H. 78", V. 42", D. 92"  Iris Control  Fixed  Channel 1 (PT Lens): 1.5 m (4.92 ft) Channel 2 (Fixed Lens): 1.5 m (4.92 ft) Channel 2 (Fixed Lens): 1.5 m (4.92 ft) Channel 1 (PT Lens): 1.5 m (4.92 ft) Channel 1 (255.91 ft) (102.36 ft) (51.16 ft) (25.59 ft)  Channel 2 (Fixed Lens): 1.5 m (4.92 ft) Channel 2 (Fixed Lens): 1.5 m (4.92 ft) Channel 1 (78.0 m 31.2 m 15.6 m 7.8 m (25.59 ft) (102.36 ft) (102.36 ft) (51.16 ft) (25.59 ft)  DORI DISTANCE  DORI (Detect, Observe, Recognize, Identify) is a standard system (255.91 ft) (102.36 ft) (51.18 ft) (25.59 ft)  Ensight Privacy Masking  Audio  **DORI (Detect, Observe, Recognize, Identify) is a standard system this table do not reflect intelligent function distances, For	Focal Length			, ,				White Balance	
Field of View  Channel 2 (Fixed Lens): H: 78°; V: 42°; D: 92°  Motion Detection  OFF/ON (4 areas, rectangular)  Region of Interest (Rol)  Yes (4 areas)  Close Focus Distance  Channel 1 (PT Lens): 1.5 m (4.92 ft) Channel 2 (Fixed Lens): 1.5 m (4.92 ft) Channel 2 (Fixed Lens): 1.5 m (4.92 ft) Channel 2 (Fixed Lens): 1.5 m (4.92 ft)  Channel 1 78.0 m 31.2 m 15.6 m 7.8 m (255.91 ft) (102.36 ft) (51.18 ft) (25.59 ft)  Channel 2 (Fixed Lens)  Channel 1 78.0 m 31.2 m (255.91 ft) (102.36 ft) (51.18 ft) (25.59 ft)  Channel 2 (Fixed Lens)  Channel 2 (Fixed Lens): 1.5 m (4.92 ft)  Channel 1 78.0 m 31.2 m (255.91 ft) (102.36 ft) (51.18 ft) (25.59 ft)  Channel 2 (Fixed Lens): 1.5 m (4.92 ft)  Channel 2 (Fixed Lens): 1.5 m (4.92 ft)  Smart Illumination  Yes  Smart Dual Light  Yes  Image Rotation  0°/180°  Mirror  Yes  Privacy Masking  4 areas  Audio  Built-in MIC  Yes, built-in Mic  Built-in Speaker  Yes, built-in speaker  Audio Compression  G.711a; G.711Mu; PCM; G.726  Alarm	Field of View  Channel 2 (Fixed Lens): H: 78 ; 74. 27; D: 92*  Iris Control  Fixed  Close Focus Distance  Channel 1 (PT Lens): 1.5 m (4.92 ft) Channel 2 (Fixed Lens): H: 58 ; 74. 42°; D: 92 *  Close Focus Distance  Channel 1 (PT Lens): 1.5 m (4.92 ft) Channel 2 (Fixed Lens): 1.5 m (4.92 ft) Channel 2 (Fixed Lens): 1.5 m (4.92 ft) Channel 1 (78.0 m 31.2 m 15.6 m 7.8 m (25.59 ft))  Channel 1 (78.0 m 31.2 m 15.6 m 7.8 m (25.59 ft))  Channel 2 (Fixed (25.59 ft)) (102.36 ft) (51.18 ft) (52.59 ft)  DORI Channel 2 (Fixed (25.59 ft)) (102.36 ft) (51.18 ft) (52.59 ft)  DORI Channel 2 (Fixed (25.59 ft)) (102.36 ft) (51.18 ft) (52.59 ft)  Phone Channel 2 (Fixed Lens): 1.5 m (4.92 ft) (25.59 ft)  Phone Channel 3 (25.59 ft) (102.36 ft) (51.18 ft) (25.59 ft)  Phone Channel 3 (25.59 ft) (102.36 ft) (51.18 ft) (52.59 ft)  Phone Channel 3 (25.59 ft) (102.36 ft) (51.18 ft) (25.59 ft)  Phone Channel 3 (25.59 ft) (102.36 ft) (51.18 ft) (25.59 ft)  Phone Channel 3 (25.59 ft) (102.36 ft) (51.18 ft) (25.59 ft)  Phone Channel 3 (25.59 ft) (102.36 ft) (51.18 ft) (25.59 ft)  Phone Channel 3 (25.59 ft) (102.36 ft) (51.18 ft) (25.59 ft)  Phone Channel 3 (25.59 ft) (102.36 ft) (51.18 ft) (25.59 ft)  Phone Channel 3 (25.59 ft) (102.36 ft) (51.18 ft) (25.59 ft)  Phone Channel 3 (25.59 ft) (102.36 ft) (202.36 ft) (25.59 ft)  Phone Channel 3 (25.59 ft) (25.59 ft) (202.36 f	Max. Aperture							Gain Control	Auto/Manual
Iris Control  Fixed  Fixed  Clase Focus Distance  Clase Focus Distance  Channel 1 (PT Lens): 1.5 m (4.92 ft) Channel 2 (Fixed Lens): 1.5 m (4.92 ft)  Channel 2 (Fixed Lens): 1.5 m (4.92 ft)  Channel 1 (PT Lens): 1.5 m (4.92 ft)  Channel 2 (Fixed (25.91 ft): 10.2.36 ft): 15.6 m (25.59 ft)  Channel 2 (Fixed Lens): 1.5 m (102.36 ft): 15.6 m (25.59 ft)  Channel 2 (Fixed Lens): 1.5 m (102.36 ft): 15.6 m (25.59 ft)  Channel 2 (Fixed Lens): 1.5 m (102.36 ft): 15.6 m (25.59 ft)  Channel 2 (Fixed Lens): 1.5 m (4.92 ft)  Channel 3.1.2 m (102.36 ft): 15.6 m (25.59 ft)  Channel 2 (Fixed Lens): 1.5 m (4.92 ft)  Channel 3.1.2 m (102.36 ft): 15.6 m (25.59 ft)  Channel 2 (Fixed Lens): 1.5 m (4.92 ft)  Channel 3.1.2 m (102.36 ft): 15.6 m (25.59 ft)  Channel 3.1.2 m (102.36 ft): 15.6 m (25.59 ft)  Channel 3.1.2 m (25.59 ft)  Channel 4 (78.0 m (25.59 ft))  Channel 5 (78.0 m (25.59 ft))  Channel 7 (78.0 m (25.59 ft))  Channel 1 (PT Lens): 1.5 m (4.92 ft)  Channel 2 (Fixed Lens): 1.5 m (4.92 ft)  Channel 1 (PT Lens): 1.5 m (4.92 ft)  Channel 2 (Fixed Lens): 1.5 m (4.92 ft)  Channel 1 (PT Lens): 1.5 m (4.92 ft)  Channel 2 (Fixed Lens): 1.5 m (4.92 ft)  Channel 1 (PT Lens): 1.	Iris Control  Fixed  Channel 1 (PT Lens): 1.5 m (4.92 ft) Channel 2 (Fixed Lens): 1.5 m (4.92 ft) Channel 2 (Fixed Lens): 1.5 m (4.92 ft) Channel 1 (PT Lens): 1.5 m (4.92 ft) Channel 2 (Fixed Lens): 1.5 m (4.92 ft) Channel 1 (75.0 m (25.59 ft)) Channel 1 (75.0 m (25.59 ft)) Channel 2 (Fixed Lens): 1.5 m (4.92 ft) Channel 1 (75.0 m (25.59 ft)) Channel 2 (Fixed Lens): 1.5 m (4.92 ft) Channel 1 (75.0 m (25.59 ft)) Channel 2 (Fixed Lens): 1.5 m (4.92 ft) Channel 2 (Fixed Lens): 1.5 m (	Field of View		Channel 1 (PT Lens): H: 78°; V: 42°; D: 92°					Noise Reduction	3D NR
Close Focus Distance  Channel 1 (PT Lens): 1.5 m (4.92 ft) Channel 2 (Fixed Lens): 1.5 m (4.92 ft)  Lens  Detect  Detect  Channel 1 (PT Lens): 1.5 m (4.92 ft)  Channel 2 (Fixed Lens): 1.5 m (4.92 ft)  Channel 3 1.2 m (102.36 ft): 1.5 m (51.18 ft)  Channel 2 (Fixed Lens): 1.5 m (4.92 ft)  Channel 2 (Fixed Lens): 1.5 m (4.92 ft)  Smart Illumination  Yes  Smart Dual Light  Yes  Image Rotation  0°/180°  Privacy Masking  4 areas  Audio  Built-in MIC  Yes, built-in Mic  Built-in MIC  Built-in Speaker  Yes, built-in speaker  Audio Compression  G.711a; G.711Mu; PCM; G.726  Alarm	Close Focus Distance  Channel 1 (PT Lens): 1.5 m (4.92 ft) Channel 2 (Fixed Lens): 1.5 m (4.92 ft)  Channel 2 (Fixed Lens): 1.5 m (4.92 ft)  Channel 1 (PT Lens)  Channel 1 (PT Lens): 1.5 m (4.92 ft)  Channel 2 (Fixed Lens): 1.5 m (4.92 ft)  Samt Illumination  Yes  Smart Dual Light  Yes  Mirror  Yes  Privacy Masking  4 areas  Audio  Built-in MIC  Yes, built-in Mic  Built-in MIC  Yes, built-in Mic  Built-in Speaker  Audio Compression  G.711a; G.711Mu; PCM; G.726  Alarm  No SD card; SD card full; SD card error; network disconnection; IP conflict; Illegal access; motion detection; video tampering; audio detection; SMD; security exception  Network  Video  Video Compression  H.265; H.264; H.264H; H.264B; MIPEG (Only supported by sub stream)  Fixed Columns  Fixed M.265 is (Part H.1064)	Iris Control							Motion Detection	OFF/ON (4 areas, rectangular)
Channel 2 (Fixed Lens): 1.5 m (4.92 ft)  Lens  Detect  Observe  Recognize  Identify  Smart Dual Light  Yes  Smart Dual Light  Yes  Channel 1 (PT Lens) (255.91 ft) (102.36 ft) (51.18 ft) (25.59 ft)  Channel 2 (Fixed Lens)  Channel 2 (Fixed Lens)  Channel 3 (255.91 ft) (102.36 ft) (51.18 ft) (25.59 ft)  Channel 2 (Fixed Lens)  Channel 4 (255.91 ft) (102.36 ft) (51.18 ft) (25.59 ft)  Channel 5 (Fixed Lens)  Channel 6 (255.91 ft) (102.36 ft) (51.18 ft) (25.59 ft)  Channel 7 (8 m (255.91 ft) (102.36 ft) (51.18 ft) (25.59 ft)  Privacy Masking  Audio  Audio  Built-in MIC  Yes, built-in Mic  Built-in Speaker  Yes, built-in speaker  Audio Compression  G.711a; G.711Mu; PCM; G.726  Alarm	Lens								Region of Interest (RoI)	Yes (4 areas)
Channel 1 (255.91 ft) (102.36 ft) (51.18 ft) (25.59 ft)  Channel 2 (Fixed Lens) (255.91 ft) (102.36 ft) (51.18 ft) (25.59 ft)  DORI Distance  *DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances, refer to installation and commissioning manual/ project design tool.  Intelligence  Channel 78.0 m (102.36 ft) (51.18 ft) (25.59 ft)  Image Rotation 0°/180°  Mirror Yes  Privacy Masking 4 areas  Audio  Built-in MIC Yes, built-in Mic  Built-in Speaker Yes, built-in speaker  Audio Compression G.711a; G.711Mu; PCM; G.726  Alarm	Channel 1 (PT Lens) (255.91 ft) (102.36 ft) (51.18 ft) (25.59 ft) (102.36 ft) (51.18 ft) (25.59 ft) (102.36 ft) (51.18 ft) (25.59 ft) (25.59 ft) (25.59 ft) (25.59 ft) (102.36 ft) (51.18 ft) (25.59 ft) (25.59 ft) (102.36 ft) (51.18 ft) (25.59 ft) (25.59 ft) (25.59 ft) (25.59 ft) (102.36 ft) (51.18 ft) (25.59	Close Focus Distance		, , ,					Smart Illumination	Yes
PORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in function distances, refer to installation and commissioning manual/project design tool.    Intelligence   (PT Lens) (255.91 ft) (102.36 ft) (102.36 ft) (102.36 ft) (51.18 ft) (25.59 ft) (25.59 ft)   Image Rotation (0°/180°)     Mirror   Yes     Mirror   Yes     Audio     Privacy Masking   4 areas     Audio     Built-in MIC   Yes, built-in Mic     Built-in Speaker   Yes, built-in speaker     Audio Compression   G.711a; G.711Mu; PCM; G.726     Alarm	Channel 2 (Fixed Lens)   (255.91 ft)   (102.36 ft)   (51.18 ft)   (25.59 ft)   (2								Smart Dual Light	Yes
DORI Distance  2 (Fixed Lens)  2 (Fixed Lens)  *DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances, refer to installation and commissioning manual/project design tool.  Intelligence  2 (Fixed Lens)  78.0 m (255.91 ft)  (102.36 ft)  (51.18 ft)  (51.18 ft)  (25.59 ft)  Privacy Masking  4 areas  Audio  Built-in MIC  Yes, built-in Mic  Built-in Speaker  Yes, built-in speaker  Audio Compression  G.711a; G.711Mu; PCM; G.726  Alarm	DORI Distance    2 (Fixed Lens)   (255.91 ft)   (31.2 m)   (102.36 ft)   (102.36 ft)   (25.59 ft)								Image Rotation	0°/180°
DORI (Detect, Observe, Recognize, Identify) is a standard system  *DORI (Detect, Observe, Recognize, Identify) is a standard system  (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances, refer to installation and commissioning manual/ project design tool.    Audio Compression   G.711a; G.711Mu; PCM; G.726	DORI Distance  Lens)  L			78.0 m	31.2 m	15.6 m	7.8 m		Mirror	Yes
(EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances, refer to installation and commissioning manual/ project design tool.  Built-in MIC  Yes, built-in Mic  Built-in Speaker  Yes, built-in speaker  Audio Compression  G.711a; G.711Mu; PCM; G.726  Alarm	(EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances, refer to installation and commissioning manual/project design tool.  Intelligence  SMD SMD Plus  Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos  Video Compression  H.265; H.264; H.264H; H.264B; MJPEG (Only supported by sub stream)  Front Galon Search		,	(255.91 ft)	(102.36 ft)	(51.18 ft)	(25.59 ft)		Privacy Masking	4 areas
distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/project design tool.  Built-in MIC  Yes, built-in Mic  Built-in MIC  Yes, built-in Mic  Audio Compression  G.711a; G.711Mu; PCM; G.726  Alarm	distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/ project design tool.  Intelligence  SMD SMD Plus  Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos  Wideo Compression  H.265; H.264; H.264H; H.264B; MJPEG (Only supported by sub stream)  Exerct Codes  We with in a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/ project design tool.  Built-in MIC  Yes, built-in Mic  Wes, built-in Mic  Yes, built-in Mic  Wes, built-in Mic  Suilt-in MIC  Yes, built-in Mic  Wes, built-in Mic  Audio Compression  G.711a; G.711Mu; PCM; G.726  Alarm  Alarm  No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; audio detection; SMD; security exception  Network  Network  Network Port  RJ-45 (10/100 Base-T)								Audio	
function distances, refer to installation and commissioning manual/project design tool.  Built-in Speaker  Yes, built-in speaker  Audio Compression  G.711a; G.711Mu; PCM; G.726  Alarm	function distances, refer to installation and commissioning manual/ project design tool.  Built-in Speaker Yes, built-in speaker Audio Compression G.711a; G.711Mu; PCM; G.726  Alarm  SMD Plus  Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos  Video  Video Compression  H.265; H.264; H.264H; H.264B; MJPEG (Only supported by sub stream)  Finest Codes  Finest H.265 is Smort H.264		distinguish pe	uish persons or objects within a covered area. The numbers in					Built-in MIC	Yes, built-in Mic
Audio Compression G.711a; G.711Mu; PCM; G.726  Intelligence Alarm	Intelligence  SMD SMD Plus  Smart Search Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos  Video  Video Compression H.265; H.264; H.264H; H.264B; MJPEG (Only supported by sub stream)  Alarm Event Search Smart Search R.364 (10/100 Base-T)  Alarm Event Search R.365 (10/100 Base-T)		function dista	nces, refer to i	-		-		Built-in Speaker	Yes, built-in speaker
Alarm	SMD SMD Plus  Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos  Video  Video Compression  Mo SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; audio detection; SMD; security exception  Network  Network  Network Port  RJ-45 (10/100 Base-T)	Intolligan	, ,	1 1001.					Audio Compression	G.711a; G.711Mu; PCM; G.726
auld dwg	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos  Alarm Event  Alarm Event  No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; audio detection; SMD; security exception  Network  Network  Network Port  RJ-45 (10/100 Base-T)	_	Le	CAAD Dlug					Alarm	
Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos  No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; audio detection; SMD; security exception	Video Compression  H.265; H.264; H.264B; MJPEG (Only supported by sub stream)  Network  Network Port  RJ-45 (10/100 Base-T)			Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event					Alarm Event	disconnection; IP conflict; illegal access; motion detection; video tampering; audio detection; SMD;
Network	by sub stream)  Network Port  RJ-45 (10/100 Base-T)	Video	Video						Network	
VIQEO COMBLESSION	Smart Codec Smart H.265+; Smart H.264+ SDK and API Yes	Video Compression							Network Port	RJ-45 (10/100 Base-T)
Smart Codec Smart H.265+; Smart H.264+ SDK and API	551.51.51.1	Smart Codeo		Smart H.265+; Smart H.264+					SDK and API	Yes

Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; DHCP; DNS; DDNS; NTP; Multicast; ICMP; IGMP; P2P; Auto Registration		
Security	HTTPS; Trusted upgrade;Digest; WSSE; Account lockout; Trusted execution; Generation and importing of X.509 certification; Security logs; Trusted boot		
Interoperability	ONVIF (Profile S & Profile G & Profile T); CGI		
User/Host	20 (Total bandwidth: 48 M)		
Storage	FTP; Micro SD card (support max. 256 GB)		
Browser	IE; Chrome; Firefox		
Management Software	Smart PSS Lite; DSS; DMSS		
Mobile Client	Android;iOS		
Function			
Light Warning	Warm light warning Flash/Solid on duration: 5 s–180 s Flash frequency: high, medium, low		
Sound Warning	Offers 3 sound alarms and supports importing custom sound alarms. Sound: 0-100. Play times can be set from 1 to 10.		
PTZ			
Pan/Tilt Range	Channel 1 (PT Lens): Pan: 0° to 350°; Tilt: 0° to 90°; Channel 2 (Fixed Lens): Pan: 0° to 326°; Tilt: $-10°$ to $15°$		
Manual Control Speed	Pan: 0.1°/s-55.4°/s; Tilt: 0.1°/s-29.3°/s		
Preset	50		
Preset Speed	Pan: 55.4°/s; Tilt: 29.3°/s		
Power-off Memory	Yes		
Idle Motion	Preset		
Certification			
Certifications	CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU		
Power			
Power Supply	12 VDC (±30%); PoE (802.3af)		
Power Consumption	Basic: 3.2 W (12 VDC); 4.2 W (PoE); Max.: 8.6 W (12 VDC); 10.5 W (PoE) (intelligence on + WDR + illuminator on + PT rotation + speaker on)		
Environment			
Operating Temperature	-40 °C to +50 °C (-40 °F to +122 °F)		
Operating Humidity	≤95% (RH), non-condensing		
Storage Temperature	-40 °C to +50 °C (-40 °F to +122 °F)		
Storage Humidity	≤95% (RH), non-condensing		
Protection	IP66		

#### Structure

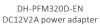
Casing Material	Plastic		
Product Dimensions	110.1 mm $\times$ 159.4 mm $\times$ 210 mm (4.33" $\times$ 6.28" $\times$ 8.27") (L $\times$ W $\times$ H)		
Net Weight	0.62 kg (1.37 lb)		
Gross Weight	0.85 kg (1.87 lb)		

Ordering Information					
Туре	Model	Description			
IP CAMERA	DH-IPC-PTS1439B-E2-S-PV	4+4MP Active Deterrance Dual- lens Fixed-focal Entry Network PT Camera			
	DH-PFM321-EN	DC12V1A power adapter			
Accessories	DH-PFM320D-EN	DC12V2A power adapter			
(Optional)	PFM900-E	Integrated Mount Tester			
	DHI-TF-P100/256GB	MicroSD Card			

## Accessories

## Optional:







DH-PFM321-EN DC12V1A power adapter



TF-P100 MicroSD Memory Card



PFM900-E Integrated Mount Tester

Ceiling Mount	Wall Mount

## Dimensions (mm[inch])

